

**2019/20 Status Determination
Updates for AIGKC, PIGKC, WAIRKC**

AIGKC

Overfishing did not occur in 2019/20.

Estimated total fishery mortality was 3,735 t, which resulted from 3,319 t retained catch in the directed fishery, 388 t bycatch mortality in the directed fishery, and 29 t bycatch mortality in the groundfish fisheries.

Status and catch specifications (1000 t) for Aleutian Islands golden king crab. Shaded values are new estimates or projections based on the current assessment. Other table entries are based on historical assessments and are not updated except for total and retained catch.

Year	MSST	Biomass (MMB)	TAC	Retained Catch	Total Catch	OFL	ABC
2016/17	N/A	N/A	2.515	2.593	3.046	5.69	4.26
2017/18	6.044	14.205	2.515	2.585	2.979	6.048	4.536
2018/19	5.880	17.848	2.883	2.965	3.372	5.514	4.136
2019/20	5.920	16.526	3.257	3.319	3.735	5.249	3.937
2020/21		14.857				4.881	3.660

The AIGKC mature male biomass, 16,526 t, is above MSST, 5,920 t, in 2019/20; hence, **the stock was not overfished.**

PIGKC

Overfishing did not occur in 2019.

Two vessels participated in the 2019 directed fishery. Estimated total fishery mortality in 2019 [REDACTED] resulted from retained catch [REDACTED], bycatch in the directed fishery [REDACTED] and bycatch in groundfish fisheries (3.91 t).

Management Performance Table (values in t)

Calendar Year	MSST	Biomass (MMB)	GHL ^a	Retained Catch	Total Catch ^b	OFL	ABC
2016	N/A	N/A	59	0	0.24	91	68
2017	N/A	N/A	59	Conf. ^c	Conf. ^c	93	70
2018	N/A	N/A	59	Conf. ^c	Conf. ^c	93	70
2019	N/A	N/A	59	Conf. ^c	Conf. ^c	93	70
2020	N/A	N/A	59			93	70
2021	N/A	N/A				93	70
2022	N/A	N/A				93	70
2023	N/A	N/A				93	70

a. Guideline harvest level, established in lb and converted to t.

b. Total retained catch plus estimated bycatch mortality of discarded catch during crab fisheries and bycatch mortality due to groundfish fisheries are included here, but not for 2017-2019 because the directed fishery is confidential.

c. Confidential under Sec. 16.05.815 (SOA statute).

WAIRKC

Overfishing did not occur in 2019/20.

The directed fishery was closed in 2019/20.

Estimated total fishery mortality in 2019/20 (0.75 t) resulted from bycatch in the AIGKC fishery (0.01 t) and bycatch in groundfish fisheries (0.74 t).

Management Performance Table (values in t)

Fishing Year	MSST	Biomass (MMB)	TAC^a	Retained Catch	Total Catch	OFL	ABC
2015/16	N/A	N/A	Closed	0	1.3	56	34
2016/17	N/A	N/A	Closed	0	<1	56	34
2017/18	N/A	N/A	Closed	0	<1	56	14
2018/19	N/A	N/A	Closed	0	<1	56	14
2019/20	N/A	N/A	Closed	0	<1	56	14
2020/21	N/A	N/A				56	14
2021/22	N/A	N/A				56	14
2022/23	N/A	N/A				56	14